

No. 4-1258-1a, 1b

Date _____

Co. & State

Pack Co, Tenn.Loc. Stream 2 miles north of Benton on U.S. 411Water clearFlow mod to swiftWidth 4 1/2'Depth 4 2'

pH _____

Temp. _____

Bottom sand, gravel, mud.Vegetation noneShore Pinus, Juniperus, Liquidambar, Salix

Air Temp. _____

Weather SunnyTime 10:15

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>C. diogenes</i>			1		1		
<i>C. P. longicollis</i>		1	1		5		

Two jars - (diogene. like forms from burrows along bank.)

A

C. sp. diogen. complex (12, 18 juv)

No. 4-1258-2 a b

Date _____

Co. & State Folk Co. Tenn.

Loc. Stream 11.4 miles south of Benton Tenn. on State 33

Water slightly cloudy Flow rapid

Width 1 to 12 ft. Depth + 2 ft. pH 6.5 Temp. 7°C.

Bottom silt sand & rocks & debris

Vegetation algae

Shore Platanus, alnus, Prunus

Air Temp. 18°C.

Weather Clear & sunny Time 11:10

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
C. striatus							
C. striatus	1	1	4	2	2		
C. extraneus	3	3	4				

43
Jan

No. 11-1258-3

Date _____

Co. & State Mary Co. Ga.

Loc. Stream 11.8 miles south of Aton, Ga.

Water Muddy Flow rapid

Width 12 ft. Depth 4-2 ft. pH _____ Temp. _____

Bottom Rocky

Vegetation none

Shore White - Brown

Air Temp. 18.0°C

Weather Cloudy Time _____

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. extraneus</u>	<u>2</u>	<u>1</u>					

1

(3)

4.6.0
4.2.0
3.2

2 jars

No. 4-1258-4abc

Date _____

Co. & State Mersey Co. Pa.

Loc. stream in Mersey Co. about 1 mi west of
Chatsworth on Rt. 76 - Holly Creek

Water clear swift Flow swift

Width 50 ft. Depth 4' pH _____ Temp. _____

Bottom sand silt clay gravel

Vegetation none

Shore Corn, Wheat, Sorghum, Penn.
911

Air Temp. 20.5 °C

Weather Clear & Sunny Time 1:05

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>2 jars</u> <u>C. striatus</u>	1	5	7	2	4		
<u>C. extraneus</u>			2		1		
<u>O. spinosus II</u>	1	3	1				

3

27

No. 4-1258-5a b.

Date _____

Co. & State Murray Co., Ga.Loc. Stream 2 mi E. of Chatsworth, on U.S. Rt. 76.in deep shaded ravine - small rt. brook tumbling
& cascading over stony bed.Water clear.Flow mod.Width 2-4'Depth ± 1'

pH _____

Temp. _____

Bottom rocky & leaf debrisVegetation noneShore Pines, leguminous shrubland.

Air Temp. _____

Weather BunnyTime 1:55

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. consanguis</u>	1	3	1	1			
<u>C. striatus</u>			1				

(7)

No. 11-1258-6a.6

Date _____

Co. & State

Murray Co. Ga.

Loc.

Stream 3 mi. west of Chatworth, Ga. on Rt.52 - Town branch creek

Water

Clear

Flow

swift

Width

15 to 5'

Depth

+ 3 ft

pH

Temp.

17°C

Bottom

muddy

Vegetation

willow-like plants

Shore

open, grassy

Air Temp.

Weather

Clear & sunny

Time

2:50

Capture

Det.

Coll.

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. eximius</u>	<u>2</u>	<u>4</u>	<u>3</u>	<u>5</u>			
<u>C. striatus</u>			<u>1</u>				

No. 4-1251-7 a bc

Date _____

Co. & State

Whitfield Co. Ga.

Loc.

Stream 9.3 miles south of Dalton

Water

Clear

Flow

Swift

Width

6 to 10'

Depth

12'

pH

Temp.

18.0°C

Bottom

Rocky - sand + silt

Vegetation

none

Shore

Air Temp.

Weather

Time

4:20 PM

Capture

Det.

Coll.

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>O. spinosus II</u>	2	1	1			2	
<u>C. extraneus</u>	5	2	6	6	4	1	
<u>C. striatus</u>		1					

31



No. 4-1258-8a B

Date _____

Co. & State Golden Co. Ga.Loc. Stream 17.8 mi south of Dalton, Rt. 41Water Cloudy - yellowishFlow SwiftWidth 4 to 5'Depth + 2 ft.

pH _____

Temp. _____

Bottom Silt - Sand - RocksVegetation noneShore Pine - alders

Air Temp. _____

Weather Clear + warmTime 4:55 pm

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂J	♂J	♀a	♀v
<i>P. lophotus lateralis</i>	1	2	8	6	6		
<i>C. striatus</i>		2	2	6	5		

Oostanawla River - 3.2 miles north of the river
on Rt 41.

No. 4-1258-926C

Date _____

Co. & State Madison Co. Ga.

Loc. Stream - spring + burrow

1.8 mi N of Calhoun on Rt. 41

Water Clear spring water - cloudy stream Flow moderate

Width 6 to 6 ft Depth 2 to 4' pH _____ Temp. 18°C

Bottom clear spring algae in stream - muddy

Vegetation Algae profuse in stream

Shore _____

Air Temp. _____

Weather Clear Time 6:45 PM

Capture _____

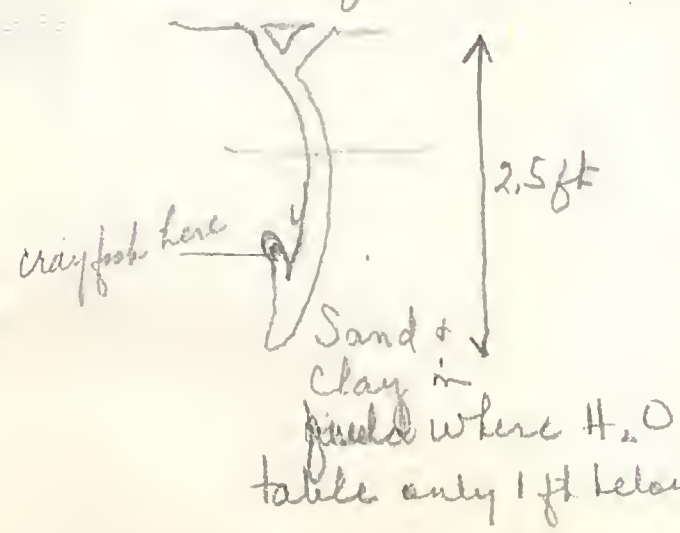
Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. striatus</u>	1	3	2		1		
<u>C. diogenes</u>			2	2			
<u>P. sp. (Spiculifer gr.)</u>				1			

5/1/58
49.7

(12)

Burrow from OT I diogenes sampled



Also dug one specimen of striatus - burrow not well formed

most chimneys not well formed.

- a. C. sp. 10♂I, 30♂II, 2♀
striatus in m♀
- b. C. diogenes comp. 1♀, 2♂im.
- c. P. sp. spiculifer gr. 10♂im

No. 4-1258-1064

Date _____

Co. & State

Gordon Co. Ga.

Loc.

Stream 2.8 mi south of Calhoun, Ga.
on Rte. 53

Water

Clear

Flow

swift

Width

6 to 8 ft.

Depth

2 to 11 ft.

pH

Temp.

Bottom

rock, silt & sand

Vegetation

none

Shore

none

Air Temp.

16°C

Weather

Clear

Time

7:30

Capture

Det.

Coll.

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>Procambarus apiculifer</i>		4	6	7	2		
<i>C. striatus</i>			2	4	6		

No. 1-1356-1

Date _____

Co. & State Floyd Co. Ga.

Loc. Stream 1.7 mi North of Rome Ga. on Rt. 27

Water Muddy

Flow slow

Width 2 to 4'

Depth 1 to 2 ft.

pH _____

Temp. _____

Bottom muddy - silt - rock - Lycopodium little dry

Vegetation algae ferns

Shore _____

Air Temp. 25°C

Weather clear + warm

Time 10:50

Capture Stratton

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. striatus</u>				<u>1</u>	<u>6</u>		

(7)

No. 4-1358-2abc

Date _____

Co. & State Floyd Co., Ga.Loc. Tributary of Annandale Creek 9.7 miles
north of Rome, Ga. on Rte 27.Water Clear almostFlow SwiftWidth 10 to 6'Depth +2 ft

pH _____

Temp. 12°CBottom Rock (small) silt and boggyVegetation AlgaeShore AlgaeAir Temp. 25°CWeather ClearTime 11:25

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>C. latimanus</i>		4	3	3	5		
<i>C. striatus</i>		1	3		2		
<i>C. diogenes</i>			1				

No. H-1358-3

Date _____

Co. & State Floyd Co. Ga.

Loc. Stream 10.7 mi N. of Rome Ga. on Rt. 27

Water Clear Flow moderate

Width 4 to 6 ft. Depth +3 ft. pH _____ Temp. _____

Bottom silt - sand - & rock

Vegetation none

Shore _____

Air Temp. 25°C.

Weather Clear - Sunny & warm Time 11:40

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>C. striatus</u>			1	1	1			

No. 4-1754-46, +

Date _____

Co. & State Floyd Co. Ind.Loc. Stream + Swamp pool 5.3 mi. West of
Home Ind.Water CloudyFlow moderateWidth 20'Depth +6'

pH _____

Temp. _____

Bottom MuddyVegetation Myrica sp.Shore AlnusAir Temp. 25°CWeather Clear - SunnyTime 12:25Capture Stratton

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. striatus</u>			<u>2</u>	<u>13</u>	<u>14</u>		
<u>C. latimanus</u>				<u>4</u>	<u>6</u>		

No. 4-1358-5a, 5b

Date _____

Co. & State

Floyd Co. Ga.

Loc.

Stream 7.5 mi
down on RT, 20East of Alabama State

Water

Clear

Flow

swift

Width

15'

Depth

4 to 6'

pH

Temp.

13°C

Bottom

Rocky

Vegetation

none

Shore

Pin, Liquidambar, Elm

Air Temp.

28°C

Weather

Clear

Time

1:00

Capture _____

Det.

Coll.

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. pygmaeus</u>	3	3	1			1	
<u>C. latimanus</u>			1	2	1		

(12)

No. 4-1358-6

Date _____

Co. & State

Floyd Co. Ga.

Loc.

Stream 5.0 mi East of Alabamaville on Rt. 20

Water

Clear

Flow

swift

Width

6'

Depth

+3

pH

Temp.

17°C

Bottom

rocky

Vegetation

none

Shore

Alnus, birch, Pinus strobus

Air Temp.

28°C

Weather

Clear

Time

1:25

Capture

Det.

Coll.

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>C. extraneus</u>				1				

No. 4-1358-7abc

Date _____

Co. & State

Florida Co. Fla.

Loc.

Stream 1.7 mi. east of Alabama line
on Rt 20

Water

Clear

Flow

Swift

Width

10 to 15'

Depth

+ 1'

pH

Temp.

12°C

Bottom

Rocky

Vegetation

none

Shore

Salix nigra, Pinus, Alnus

Air Temp.

25°C

Weather

Clear

Time

2:00

Capture

Det.

Coll.

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. extraneus</u>					<u>2</u>		
<u>C. latimanus</u>				<u>2</u>			
<u>C. deogenes</u>				<u>1</u>			

Only one label
needed for
blandingii 8a

No. 4-1358-8a C

Date _____

Co. & State Cherokee Co. Ala.

Loc. Stream 3.9 mi south of Centre on Rt 6

Water Clear Flow Swift
Width 4 to 6' Depth 4-5' pH _____ Temp. 11.5°C

Bottom Some mud & rocks

Vegetation Some Algae - Batrachospermum

Shore Algae, Batrachospermum, Liquidambar styraciflua

Air Temp. 25°C

Weather Clear

Time 3:10

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
① <i>P. b. acutus</i>		3		2	4		
② <i>C. diogenes</i>			1				
③ <i>C. latimanus</i>				3	2		

3 *Diogenes* female alive with eggs.

P. C. sp. (*Diogenes complex*) 1 ♀ with eggs.

No. 4-135A-9a-f

Date _____

Co. & State

Cherokee Co. Ala.

Loc.

Stream 1 mi south of Centre, Ala. on Rt 6

Water

Clear

Flow

slow

Width

10 to 15'

Depth

+ 5'

pH

Temp.

12°C

Bottom

Mud

Vegetation

Myrica sp.

Shore

Air Temp.

25°C

Weather

Clear + Sunny

Time

3:25 AM

Capture

Det.

Coll.

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>P. b. acutus</u>				<u>2</u>	<u>4</u>		
<u>P. striatus</u>				<u>1</u>	<u>2</u>		

No. H 1358-10

Date _____

Co. & State Etowah Co. Ala.Loc. Stream 4.6 mi W of Cherokee - Etowah Co.
line on Rt. 411Water Clear Flow moderateWidth 5' + Depth 4' pH _____ Temp. 12°CBottom rock + siltVegetation Lizard tailShore Alumina - Potomac - YellowAir Temp. 25°CWeather Clear + Sunny Time 4:20

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. latimanus</u>					1		

areola too broad + short
perhaps latimanus 7

No. 4-1358-11a-b

Date _____

Co. & State Etowah Co. Ala.Loc. Stream 10.4 mi East of Etowah Co. line on Rt 278Water Clear Flow moderateWidth 6' Depth +3' pH _____ Temp. 12°CBottom rockyVegetation none

Shore _____

Air Temp. 55Weather Clear & Sunny Time 5:30 PM

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>C. extraneus</i>	1		1	2	2	1	
<i>C. striatus</i>	1		2	1	1		

No. 11-1358-12ab

Date _____

Co. & State

Etowah Co. Ala.

Loc.

Pool under bridge 2.1 mi East of Etowah Co
on Rt. 278

Water

Muddy

Flow

none

Width

10' 0"

Depth

4'

pH

Temp.

12°C

Bottom

mud

Vegetation

none

Shore

Air Temp.

24°C

Weather

clear

Time

6:00

Capture

Det.

Coll.

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>P. b. landinji acutus</u>			<u>1</u>	<u>1</u>			
<u>A. striatus</u>				<u>3</u>	<u>4</u>		

No. 4-1358-13a b

Date _____

Co. & State Blount Co. Ala.Loc. Stream 2.5 mi E. of Cullmann - Blount Co. line
on Rt 278Water Clear Flow NormalWidth 6' Depth 13 pH _____ Temp. 12°CBottom Rocky - silt + mudVegetation noneShore Open - some vegetation - stoneAir Temp. 24°CWeather Clear Time 1:50

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>C. striatus</i>	2		1	4	13		
<i>O. bathawayi</i>				1	1		

No. 4-358-14abc

Date _____

Co. & State Blount Co., Ala

Loc. Stream 5.6 mi E. of Callmans Blount Co line on
RT 278

Water Clear Flow swift

Width 6' Depth 4 ft pH _____ Temp. 12°C

Bottom Rocky - some silt

Vegetation _____

Shore Scattered vegetation

Air Temp. 24°C

Weather Clear Time 7:15

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>O. spinosus</i>	4	9	9	3	6		
<i>C. striatus</i>		1	1	19	17		
<i>Procambarus b. acutus</i>				1			

2

70

No. 4-1458-1

Date _____

Co. & State Callman Co. Ala.

Loc. Stream 4.4 mi W of Hanceville Ala. Rt. 31

Water Clear Flow moderate

Width 12' Depth 4-2 pH _____ Temp. 13°C

Bottom Rocky

Vegetation Batrachium - grasses

Shore Liquidambar, Pinus, Acer

Air Temp. 18°C

Weather Cloudy Time 8:50

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C striatus</u>			<u>1</u>	<u>7</u>	<u>4</u>		

1

No. 4-1058-2

Date _____

Co. & State Chattahoochee Co. Ala.

Loc. 5 mi S of Gadsden City on RT. 31

Water Clear Flow moderate

Width 8 ft. Depth 42 pH _____ Temp. 13°C

Bottom Rocky

Vegetation none - distant - 100 ft.

Shore Grass - 100 ft. - 100 ft. - 100 ft. -

Air Temp. 18°C

Weather Cloudy Time 9:30

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. striatus</u>				1	4		

1

No. 4-1458 3a b.

Date _____

Co. & State Blount Co. Ala.

Loc. 7.7 mi S of Eufaula City Alt 31

Water 10'

Flow swift

Width 5-7'

Depth +6

pH _____

Temp. 12°C

Bottom slimy, green mud

Vegetation green algae

Shore green, low vegetation

Air Temp. _____

Weather cloudy

Time 11:20

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>Desmectes spinosus?</i>		1	1	2	2		
<i>C. striatus</i>		1		13	11		

No. 4-1451-4

Date _____

Co. & State Jefferson Co. Mo.Loc. Intercom 9.2 mi S of Union on RT 31
near mine at UnionWater Clear Flow moderateWidth 5' Depth 1' pH _____ Temp. 13°CBottom RockyVegetation NoneShore Liquidambar, Liriodendron

Air Temp. _____

Weather Cloudy Time 11:05

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>A. striatus</u>		<u>2</u>	<u>1</u>	<u>3</u>	<u>1</u>		

No. 4-1458-5

Date _____

Co. & State Plant Co. Ala

Loc. Stream 3.7 mi. S. of Haydenville
County RT 7

Water Clear Flow moderate

Width 6' Depth +2 pH _____ Temp. 17°C

Bottom Rocky

Vegetation some algae

Shore _____

Air Temp. _____

Weather Cloudy Time 11.55

Capture 2 trawls - net str. 1

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. striatus</u>			<u>4</u>	<u>4</u>			

No. 1-1458-6

Date _____

Co. & State Blount Co. Ala.

Loc. Stream 5.7 mi E of Hayden on county
RT. 7

Water Clear Flow moderate

Width 1.5 ft. Depth 4.2 pH _____ Temp. 13 °C

Bottom Gravel

Vegetation Scrub

Shore Hardwood - Live Oak

Air Temp. _____

Weather Cloudy Time 12:30

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. striatus</u>		<u>H</u>	<u>2</u>				

No. 4-1458-7a, b

Date _____

Co. & State Blount Co. Ala.

Loc. Stream, 6 mi E of Chocoma on RT 231

Water Clear Flow swift

Width 30' Depth 42' pH _____ Temp. 13°C

Bottom Rocky

Vegetation none

Shore Pine - Alder

Air Temp. _____

Weather Cloudy Time 11:35

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
① <i>O. hathawayi</i>						5	
② <i>C. striatus</i>		4	4	7	6		

No. 4-1454-7a, b

Date _____

Co. & State Blount Co., Ala.

Loc. Stream 4.2 mi E of Chocoma on RT 231

Water Clear Flow swift

Width 5 ft Depth 1 ft pH _____ Temp. 17°C

Bottom Gravel

Vegetation None

Shore Pine - Loblolly - alder

Air Temp. _____

Weather Cloudy Time 2:15

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
① <i>C. extraneus</i>				1			
② <i>C. jordani</i>		2					

No. 4-1458-9

Date _____

Co. & State Blount Co. Ala.

Loc. Stream 5 mi E of Monte on Rt 231

Water Cloudy Flow slow

Width 25' Depth 1.5' pH _____ Temp. 13°C

Bottom Rocky - muddy

Vegetation none algae

Shore _____

Air Temp. _____

Weather Cloudy Time 2:55

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. striatus</u>					3		

No. 4-1458-102 bcd

Date _____

Co. & State St Clair Co. Ala

Loc. Stream 4.1 mi E of Mount St. Clair Co line
on RT. 231

Water Clear

Flow swift

Width 2 to 30'

Depth + 4'

pH _____

Temp. 13°C

Bottom Rocky + silt

Vegetation Scrub

Shore Liquidambar - Salix - Pinus - Liquidambar - Pinus -
Cereus

Air Temp. _____

Weather Cloudy

Time 3:50

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
@ <i>O. bispinosus</i>	1		1			1	
@ <i>C. diogenes</i>	1						
@ <i>C. extraneus</i>	2		3		2		
@ <i>C. jordani</i>		3	3	6	2		

2

b. C. sp. (*diogenes* complex) (10 ±)

No. 4-1458-11a, b, c.

Date _____

Co. & State St. Clair Co.

Lpc. Stream 2.4 mi E of Pell City on Rt. 78

Water Slightly cloudy

Flow moderate

Width 11'

Depth + 2

pH _____

Temp. 13°C

Bottom Rocky

Vegetation none

Shore Alumina - Limestone - Penn

Air Temp. _____

Weather Cloudy

Time 4:50

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>P. blandingii acutus</i>	1	1	3	1	2		
<i>C. striatus</i>					1		
<i>C. latimanus (?)</i>					1		

3 jars - Write 3 labels -

No. 4-1458-12

Date _____

Co. & State Calhoun Co. Ala.

Loc. Stream 5.1 mi W of Intersection of 78 & 21
on Rt. 78

Water Clear Flow moderate

Width 40' Depth +1 1/2 ft. pH _____ Temp. _____

Bottom Gravel with stones

Vegetation Myrica sp. - in water - scattered & dense

Shore Liquidambar - Liquidambar - Tilia

Air Temp. _____

Weather Cloudy Time 5:45

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>C. latimanus x jordani</i>	15	10	25	20	22		

3

Turtle - in water

92

No. 14-1458-13 ab

Date _____

Co. & State Tallahassee Co. Fla.

Loc. Stream 8.5 mi W of intersection of 78 with 21
on Rt 21 south.

Water Clear Flow moderate

Width 15' Depth 4' pH _____ Temp. 13°C

Bottom Sand - Rocky

Vegetation none

Shore _____

Air Temp. _____

Weather Cloudy Time 6:15

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>C. latimanus</i>		1	1				
<i>C. striatus</i>					2		

(4)

No. 4-1458-14

Date

Co. & State Tallapoosa Co

Loc. Small stream with numerous burrows noted
5.3 mi S. of Milledgeville on RT. 21

Water muddy Flow slow

Width Depth pH Temp.

Bottom

Vegetation

Shore

Air Temp.

Weather Time

Capture

Det. Coll.

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>A. striatus</i>		1	1	4	2		

Burrowing in surface area along drainage ditch
Burrows riddled the ground so that about 6 ft of the
stream bed exposed below the surface
A few gopher tracks.

8

No. 4-1558-1a, 1b

Date _____

Co. & State Tallahassee Co. Fla.Loc. Stn. 12.3 on highway on Rt 231 (State)Water Cloudy Flow moderateWidth 5 to 10 Depth +3 pH _____ Temp. 12°CBottom SandVegetation noneShore Acer - Liriodendron - Lonicera - Liquidambar -
Platanus Air Temp. _____Weather Rain Time 9:25

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>P. b. acutus</i>					1		
<i>C. striatus</i>				4	11		

(16)

No. 4-1558-2

Date _____

Co. & State Cocoa Co. Fla.

Loc. Stream 8.8 mi S. of Salacauga on RT 231

Water muddy Flow swift (very)

Width 6' Depth + 2 pH _____ Temp. 12°C

Bottom Rocky

Vegetation none

Shore Liriodendron - Cornus Florida - Platanus - Pinus

Air Temp. _____

Weather Rain Time 10:15

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>C. latimanus</u>			<u>5</u>		<u>1</u>		

1

6

No. 11-1548-3a, b, c

Date _____

Co. & State ELMORE CO. ALA.

Loc. Station 21.6 mi S of Washburn, Ala on Rt 531

Water Cloudy Flow moderate

Width 20' Depth + 4' pH _____ Temp. 13°C

Bottom Sandy

Vegetation none

Shore 915 m

Air Temp. _____

Weather Cloudy Time 11:25

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>P. hypoleus</i>				1			
<i>C. latimanus</i>			1	5	2		
<i>C. striatus</i>					2		

No. 4-1552 4

Date _____

Co. & State Montgomery Co. Md.

Loc. Stream (small) shaded with vegetation
10.3 mi S. of Waturumpha on RT 231

Water Cloudy Flow slow

Width 18' Depth +6' pH _____ Temp. 12°C

Bottom Gravel & sand

Vegetation All kinds

Shore _____

Air Temp. _____

Weather Cloudy & showers Time 12:50

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<u>Pacastinus</u>		<u>1</u>					

No. 4-1558-5a, b

Date _____

Co. & State Montgomery Co. Ala.Loc. Stream 0.2 mi E of intersection of ~~road~~ and ~~road~~
near Montgomery, Ala. V of county line of Mont. + Lowndes
on Rt. 80Water shallow Flow moderateWidth 6 Depth + 4 pH _____ Temp. 15°CBottom mud - sandVegetation grass

Shore _____

Air Temp. _____

Weather Cloudy + Rain Time 2:30

Capture _____

Det. _____ Coll. _____

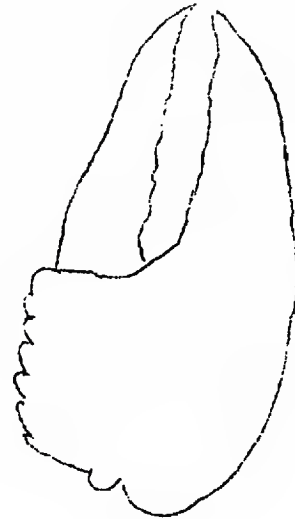
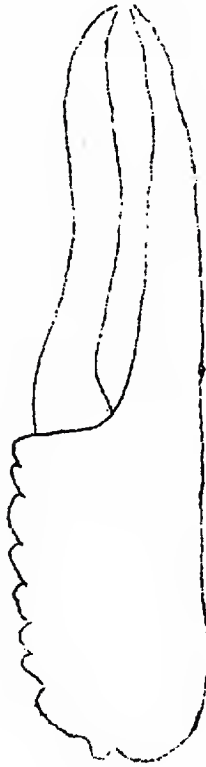
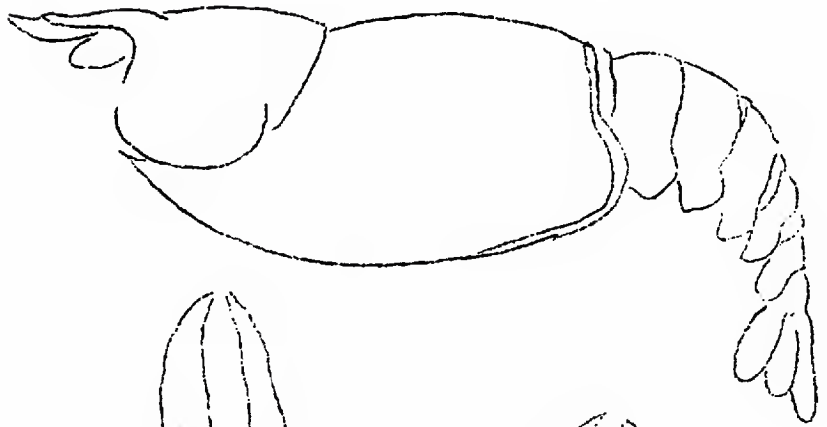
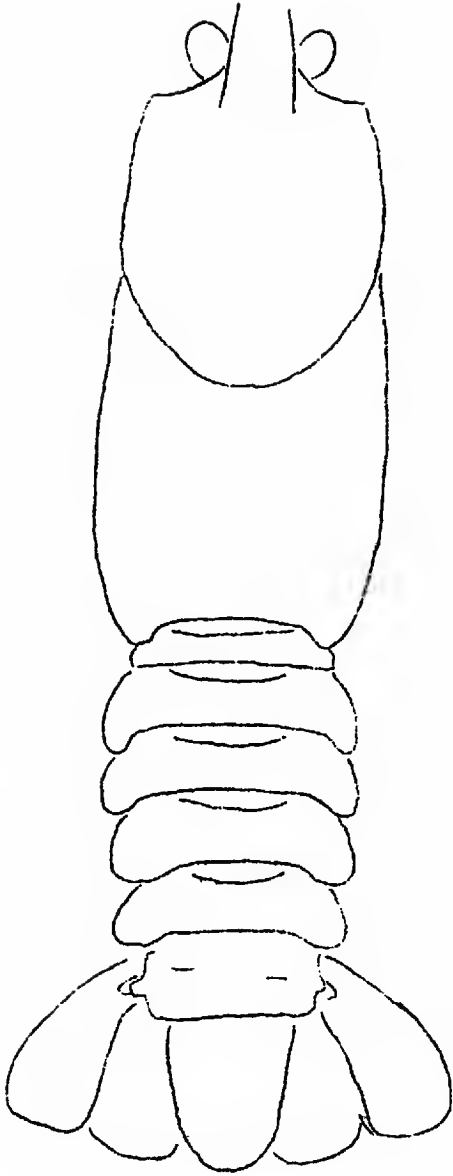
	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<i>P. lophotus</i>	1	6	6	5	3			21
<i>C. striatus</i>			2	1				3

24

Species Procambarus

No. 4-1558-5

Locality Montgomery Co.
2.2 mi E. of County line of
Montgomery + Lawrence on
Rt 80.



Identical with
4-1558-b

Type Locality of lophotus

No. 11-155P-6a-b

Date _____

Co. & State Lowndes Co. Ala.

Loc. road side ditch 3.9 mi. S. of intersection
of RT #1 with R.O. on RT #1 or 3.4 mi. N.E. of
Haynesville on RT 11.

Water Muddy Flow moderate

Width _____ Depth _____ pH _____ Temp. _____

Bottom mud

Vegetation _____

Shore _____

Air Temp. _____

Weather rain Time 8:55

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
P. bituberculatus								
✓✓ P. bituberculatus lewisii		2	1					3
P. lophotus (2 jars)	5	10	3	5	5			28
C. striatus			1		5			6

(37)

No. 4 1558-7

Date _____

Co. & State Lowndes Co. Ala.Loc. Big Swampy Creek 1.4 mi S W of Haynesville
on RT #1Water muddy Flow noneWidth 15' Depth + 2 pH _____ Temp. _____Bottom MuddyVegetation Lizard tail - iron - ludwigiaShore Platanus - water oak - Liquidambar -

Air Temp. _____

Weather Cloudy Time 3:30

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>P. lephaticus</u>	<u>1</u>		<u>2</u>					<u>3</u>

Pair dug from single burrow.

(3)

No. 4-1558 - 8a, b

Date _____

Co. & State Lewis Co. Ala.

Loc. Stream 12.9 miles W. of Haysville on RT. #1

Water Muddy

Flow moderate

Width 12

Depth + 2

pH _____

Temp. 13°C

Bottom Mud

Vegetation _____

Shore Scrub - Alder - Live Oak - Pecan

Air Temp. _____

Weather Cloudy

Time 3:55

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>P. lephaleus(?)</u>					<u>2</u>			<u>2</u>
<u>C. striatus</u>				<u>1</u>	<u>2</u>			<u>3</u>

(5)

No. 4-1558-9

Date _____

Co. & State Wilcox Co. Ala.

Loc. Bank side ditch - 1/2 mile N. of Rock Creek
3.1 mi. S of Wilcox - 1/2 mile N. of line in RT #1

Water muddy Flow none

Width 15' Depth + 2 pH _____ Temp. 12°C

Bottom _____

Vegetation Scrub - pine

Shore _____

Air Temp. _____

Weather Cloudy Time 4:25

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>P. laphotus</u>	<u>3</u>	<u>5</u>	<u>8</u>	<u>11</u>	<u>6</u>			<u>33</u>

(33)

No. 4-1558-10

Date _____

Co. & State Wilcox Co. N.C.Loc. Stream 2.8 mi S. of Oak Hill on Rt. #100-100Water Cloudy Flow moderateWidth 5 Depth + 3 pH _____ Temp. 12°CBottom MuddyVegetation noneShore W. - Pine

Air Temp. _____

Weather Cloudy - Rain Time 5:00

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<i>P. blandus</i> (?)				2	1			

No. 4-1558-11a,b

Date _____

Co. & State Marion Co. Ala.

Loc. Stream 7.3 mi. SW of Arvin on Rt 47

Water cloudy Flow slow

Width 5' Depth + 3 pH _____ Temp. _____

Bottom muddy

Vegetation none

Shore light-colored - some moss

Air Temp. _____

Weather cloudy Time 5:45

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>P. blandingii acutus</i>		3		3			
<i>C. striatus</i> (?)				1			

No. 4-1558-1226

Date _____

Co. & State B. Th. Co. Ala.Loc. Stream 17.7 mi E of town on Rt. 10
2.6 mi W of Smith (Flooded)Water Cloudy Flow moderateWidth 30 Depth 2 pH _____ Temp. _____Bottom sand

Vegetation _____

Shore Pin - Oak - Liquidambar

Air Temp. _____

Weather Cloudy - Rain Time 6:35

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>P. b. acutus (?)</u>			1	1	2			4
<u>C. diogenes</u>	1			1				2

Diogenes dug from burrows

6

12/28

428.8
420.0
8.8

428.8
417.7
11.1

427.7 - 1

374.2 - Salacanga

48.6
41.0
7.6

428.8 - 2

41.0 - Bluff

62.6
41.0
21.6

~~48.6 - 3~~

62.6 - 3

526.9
407.7
~~526.1~~

67.8 - 91 Bluff

420
526.9
993.1

501.8 - 41 with 80

504.7 - 6

8.1
4.7
3.4

8.1 - Haynesville

21.0

Briggs 26.1

Widens 31.3
Loudon, conty line

34.4

37.8 - Furman

40.2 - Furman

50.0 - Soft Hill

52.8

~~56.7~~ 57.7 The Pillars

72.9 - "

80.2 - Avenue

597.9 -

600.5 Lawrence

9.2

72.4

8.3

97.1

17.2

17.7

5
456.5

597.9

2.6

657.7 Int of 31410 at 2000 ft

617.7
617.7
617.7

618.7 = 2

618.1 - 1150 ft 31

602.1 - Little further in. 31

639.5-3

650.3 - 1150 ft

664.9 - 4

70.5 - 5

71.0 - 6

84.7 - 7

91.9 100 ft

106.0 F.T. 100 ft

106.7 - 8

84.7
84.7
84.7

18.7
50.5
50.5
50.5

18.2
50.3
50.3
50.3

12.6
52.3
52.3
52.3

12.8
39.5
39.5
39.5

19.4
650.3
650.3
650.3

Union Springs 713.0

23
13
—
10

723

726.4 - Midway

31.9
26.4
—
5.5

731.9

749.3 - 11

754.2 Chatahoochee

No. 4-1652-1a, b

Date _____

Co. & State R.I. & D.C.Loc. Stream 11.1 ft. of T. of 31410 at
Greenish on 15.31
Trinity to Green creek.Water clear, shallow Flow moderateWidth 12' Depth 4" pH _____ Temp. 12°CBottom shaly siltVegetation noneShore low - 2'

Air Temp. _____

Weather Cloudy Time 9:10

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<i>P. versutus</i>	2	2	1	7	4			16
<i>C. latimanus</i>			2		1			3

2

(19)

Color notes on *versutus*.

No. 1-166-2 a, b, c, d

Date _____

Co. & State San Diego, Calif.Loc. Station 32.4 in S of 7th Tennyson
on F-131Water cloudyFlow moderateWidth 6'Depth 4'

pH _____

Temp. 12°CBottom clay & sandVegetation noneShore Saltwater

Air Temp. _____

Weather CloudyTime 9:40

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<i>P. acutissimus</i>	2		2	6	6			16
✓ <i>P. heteroculatus lewisi</i>			5	12	5			22
<i>C. latimanus</i>		1	4	1	7			13
<i>C. diogenes</i>				3		1		1

2

(52)
Color notes on diogenes ♀
with eggs.

No. 4-1658-3a, b

Date _____

Co. & State Montgomery Co. Ala.

Loc. Ditch 12.8 mi S. of Montgomery on
RT. 31

Water rapidly Flow none

Width 4 Depth _____ pH _____ Temp. 12°C

Bottom rock

Vegetation grass

Shore _____

Air Temp. _____

Weather Sunny Time 10:35

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>P. lobhatus</u>	<u>1</u>	<u>7</u>	<u>3</u>	<u>3</u>	<u>10</u>			<u>24</u>
<u>✓ P. bituberculatus</u>		<u>1</u>						<u>1</u>

(25)

No. 4-1658-4

Date _____

Co. & State Montgomery Co. Ala.

Loc. Stream 12.6 mi E of Montgomery on RT. 80

Water cloudy Flow slow

Width 6' Depth + 5 pH _____ Temp. _____

Bottom mud & log

Vegetation none

Shore _____

Air Temp. _____

Weather Cloudy Time 11:20

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>C latimanus</u>				<u>1</u>	<u>2</u>			<u>3</u>

(3)

No. 4-1658-5a, b, c, d

Date

Co. & State

Montgomery Co.
Madison Co. Ala.

Loc.

18.2 mi E of Montgomery on RT 80
road side ditch

Water

Flow

Width

Depth

pH

Temp.

Bottom

Vegetation

Shore

Air Temp.

Weather

Time

Capture

Det.

Coll.

	♂I	♂II	♀	♂j	♀j	♀e.	♀y	
<i>C. striatus</i>		1			2			3
<i>P. acutissimus</i>		1	2	3	2			8
✓ <i>P. lewisi</i> <i>lewisii</i>		1	2					4
<i>O. clupeatus</i>	7	10	30	19	20			86

18.2 mi E of Montgomery Co. Ala. (10-11)

No. 4-165P-6a, b

Date _____

Co. & State Marion Co. Ala.

Loc. Rock creek ditch 1/2 mile E of Montgomery on
RT 80

Water Cloudy Flow slow

Width 20' Depth 4-2 pH _____ Temp. _____

Bottom muddy

Vegetation some I. virginiana

Shore _____

Air Temp. _____

Weather Cloudy Time _____

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<i>P. acutissimus</i>	1	3	3	10	11			28
<i>O. clypeatus</i>	2	3	4		5			14

42

No. 1-150-7a, b

Date _____

Co. & State Monroe Co. La.Loc. Red soil ditch 18.8 mi E of Montgomeryon Rt 80Water muddy Flow littleWidth 6 ft. Depth 4 ft. pH _____ Temp. 12°CBottom muddyVegetation algae - grass

Shore _____

Air Temp. _____

Weather Cloudy Time 12:45

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>P. acutissimus</u>		5	6	2	2			15
✓ <u>P. bituberculatus</u>	1							1

① |

16

No. 4-1658-8a, b, c, d

Date _____

Co. & State

Monroe Co. Ala.

Loc.

Stream + road side ditch 8 mi S. of Ft. Davis
on RT 29

Water

Cloudy

Flow

slow

Width

4'

Depth

4-6

pH

Temp.

Bottom

mud - rock & weed

Vegetation

grass

Shore

Air Temp.

Weather

Clear

Time

2:40

Capture

Det.

Coll.

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>P. acutissimus</u>			1		2			3
<u>P. verrucosus</u>				1	2			3
<u>P. bituberculatus</u>				1	1			2
<u>C. striatus</u>			1	1	2			4

(12)

No. 4-1658-9a,b,c

Date _____

Co. & State Bullock Co. Ala.Loc. Stream 10 mi SE of Union Springs on Rt 83
Choctawhatchee drainageWater Cloudy Flow swiftWidth 10' 10" Depth 4-5' pH _____ Temp. _____Bottom bedrock, sand, siltVegetation grassesShore Leguminosae - Pinus - Platanus

Air Temp. _____

Weather ClearTime 3:30

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<i>P. suttkusi</i>			1					1
<i>P. acutissimus</i> (?)					2			2
<i>C. latimanus</i>		10	4	9	13			36

(39)

No. 4-1658-10

Date _____

Co. & State Bulloch Co. Ala

Loc. Roadside swampy pool E. 5 mi S.E. of Milledgeville
on RT 82

Water Clear Flow none

Width 25' x 20' Depth + 1 pH _____ Temp. _____

Bottom silt and mud

Vegetation eleocharis - some

Shore slightly elevated - 0 ft -

Air Temp. _____

Weather Clear Time 4:00

Capture _____

Det. _____

Coll.

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>P. verrucosus</u>	<u>2</u>		<u>2</u>					<u>4</u>

(4)

No. 4-1654-11a, b

Date _____

Co. & State Bartow Co., Ala.Loc. Stream 2 mi W of Cusseta on Rt. 52Water ClearFlow moderateWidth 10'Depth + 2'

pH _____

Temp. 13°CBottom SandyVegetation grassesShore Oak & Liquidambar

Air Temp. _____

Weather ClearTime 4:50

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<i>Pseudoceros</i>				1	1			2
<i>C. latimanus</i>		3	1	2	2			8

(10)

No. 4-1650-12a, b, c

Date _____

Co. & State Marion Co. Ala.Loc. Quaternary Tertiary to Calhoun Creek on Rt 80
E of Montgomery 7.2 mi W of TuskegeeWater Cloudy Flow moderateWidth 15' Depth 4' pH _____ Temp. _____Bottom clay-sand-mudVegetation grass - clover

Shore _____

Air Temp. _____

Weather ClearTime 1:40

Capture _____

Det. _____

Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<i>P. acutissimus</i>	1	3	2	2	2			10
<i>P. verrucosus</i>	1	6	7	2	5			21
<i>C. striatus</i>		1		1	2			4

(35)

Date _____ Cat. No. 9-2758-1
P.O. _____ Co. & State Smyth Va.
Locality. N. Fork Holston R. on Rt 16.
1.1 mile south of the junction of RT 16 & 42 on RT 16
Quadrangle _____ Elevation _____
Water: slightly cloudy Flow sluggish
Width 40' Depth 2 1/2 - 3 pH _____ Temp. _____
Bottom silty & Rocky.
Vegetation algae
Shore Platanus, Salix, Zizia aurea, Quercus, Juglans
Air Temp. _____
Weather _____ Time _____
Method of Capture _____
Preservative _____
Collected by: _____
General Notes: _____

No. 10-1158-3

Date _____

Co. & State _____

Loc. "Janglewood" Biological Farm of Univ of
Alabama.

Water _____ Flow _____

Width _____ Depth _____ pH _____ Temp. _____

Bottom _____

Vegetation _____

Shore _____

_____ Air Temp. _____

Weather _____ Time _____

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<i>C. striatus</i>			1		1			

R. E. Smith, coll.

No. 10-1258-1a, 1b.

Date 10/12/58

Inscalvosa

Co. & State Inscalvosa Co., Ala

Loc. Drainage Creek of Harris Lake - Inscalvosa
Co.

Water _____ Flow _____

Width _____ Depth _____ pH _____ Temp. _____

Bottom _____

Vegetation _____

Shore _____

Air Temp. _____

Weather _____ Time _____

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y	
<u>C. latimanus</u>			1					
<u>O. hathawayi</u>			3					

R.E. Smith, Jack Malley.

No. 11-858-1Date Nov 8, 1958Co. & State Escalosa Co., Ala.Loc. Cottersdale, Escalosa, Found in spring in the
entrance of an abandoned coal mine within 30' of
Bee Creek.

Water _____ Flow _____

Width _____ Depth _____ pH _____ Temp. _____

Bottom _____

Vegetation _____

Shore _____

_____ Air Temp. _____

Weather _____ Time _____

Capture _____

Det. _____ Coll. _____

	♂I	♂II	♀	♂j	♀j	♀e	♀y
<i>C. striatus</i>				4	1		

R. E. Smith

BIOLOGICAL ABSTRACTS

UNIVERSITY OF PENNSYLVANIA

• 3815 WALNUT STREET •

PHILADELPHIA 4, PENNSYLVANIA

4-1859-1 Va., Mecklenburg Co.

Va. State route # 4

creek rt. side rd. 5 N Kerr Dam

Day - inconsp. chimneys in grass

Soil - sandy

4-1859-2

US Rt. 58 W

2.3 mi. From turn to St. Rt. 24

Allen Creek

BOARD OF TRUSTEES

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HAZEL HALL PHILSON, ASSISTANT TO THE DIRECTOR

HIRAM J. EVANS, SECRETARY

BENTLEY GLASS

RAYMOND L. TAYLOR

Date Aug 18 - 59 Cat. No. 59-3
P. C. Boone Co. & State Watauga - NC
Locality New River on Rt. 421 - 3.2 mi. east of Boone

Quadrangle _____ Elevation _____

Water: Clear Flow Moderate

Width _____ Depth _____ pH _____ Temp. _____

Bottom Rocky

Stream Vegetation _____

Shore Vegetation _____

Air Temp. _____

Weather Fair Time 3:45 PM

Method of Capture Sein

Preservative Formalin

Collected by: Crawford, E.A.

General Notes:

Cambarus upemus 3♂ II, 1♀

8-2159-1

Date Aug 21 - 59 Cat. No. 59-4P. C. No. Wilksboro Co. & State Wilks - NCLocality Tributary of Yadkin River on Rt. 18 - 7.2 mi.
North of North Wilksboro

Quadrangle _____ Elevation _____

Water: Tinted Flow Mod. to sluggishWidth 10 ft Depth .5 ft pH _____ Temp. _____Bottom Sandy

Stream Vegetation _____

Shore Vegetation _____

Air Temp. _____

Weather Cloudy Time 2:15 PMMethod of Capture SeinPreservative FormalinCollected by: Crawford, E-H

General Notes:

Cambarus montanus acuminatus 3[♂] II, 5^{♀♀}; 3[♂] juv; 3^{♀♀} juv.

Date Aug. 21 - 59 Cat. No. 8-2159-2
59-5

P. C. No. Wilksboro Co. & State Wilks - NC

Locality Tributary of Yadkin River on Rt. 421 - 5.4 mi.
east of North Wilksboro

Quadrangle — Elevation —

Water: Clear Flow sluggish

Width — Depth — pH — Temp. —

Bottom silty

Stream Vegetation —

Shore Vegetation —

Air Temp. 4:00 PM

Weather Fair to Cloudy Time —

Method of Capture Sein

Preservative Formalin

Collected by: Crawford L. R.

General Notes:

C. montanus acuminatus 1st I, 2nd II, 1st juv.

Date Oct. 12, 1959 Cat. No. 59-6P. O. Dug. West Co. & State Abbeville, SCLocality Hogskin Creek 2 mi. West-southwest of
Dug. West on Rt 184Quadrangle — Elevation —Water: Clear Flow modWidth 10 ft Depth 2 ft pH — Temp. 30°CBottom SandyStream Vegetation Assorted algae & mossesShore Vegetation Quercus, Alnus, Salix, Pinus, Platanus, Ilex
NyssaAir Temp. 72°F.Weather Cloudy Time 3:10 PMMethod of Capture SeinPreservative FormalinCollected by: Crawford

General Notes:

Procambarus raneyi 1♂II, 3♀♀
Cambarus latimanus, 3♂II; 7♀♀